UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

SEP 17 2013

REPLY TO THE ATTENTION OF:

WC-15J

CERTIFIED MAIL 7009 1680 0000 7678 5464
RETURN RECEIPT REQUESTED

Ex. 6. (Personal Privacy)
[redacted]
FOIA Ex. 6 (Personal Priacy)
[redacted]
Greenville, Illinois 62246

Subject: Order for Compliance and Request for Information Pursuant to 33 U.S.C. §§ 1318 and 1319(a).
Docket No. V-W-10-AO-24

Dear Ex. 6. (Personal Privacy) [redacted]:

Protecting water quality is a high priority of the U. S. Environmental Protection Agency. Pollutants such as excessive nutrients and pathogens discharged to waterways from animal feeding operations contribute to poor water quality and impairment of uses of those waterways.

As you know, EPA recently inspected your facility. At the time of the inspection, we found violations of the Clean Water Act (CWA). Enclosed is a copy of the report from the Inspection conducted by EPA on May 9 and 10, 2013.

Also enclosed is an Order for Compliance and Request for Information. This Order requires you to immediately cease all unauthorized discharges and implement the appropriate interim measures until permanent measures can be completed to comply with the CWA. You must comply with this Order within the time periods specified in the Order. Failure to comply with the Order may subject you to further enforcement action pursuant to Section 309 of the CWA. Please send your written responses to the addresses specified in the Order.

Please be advised that neither the issuance of this Order by EPA nor compliance with its terms affects your obligation to comply with the CWA or any other Federal or State laws or regulations, nor does it preclude further enforcement action pursuant to 33 U.S.C. § 1319 for the violations cited herein or any other violations.

Under the General Provisions within the Order, you have the right to request an informal conference with EPA within ten (10) calendar days of receipt of this Order. Any such conference shall be held within fifteen (15) calendar days from the date of the request, unless extended by the agreement of the parties.

If you have any questions concerning this matter, please contact Ms. Cheryl Burdett of my staff at (312) 886-1463.

Sincerely,

Tinka G. Hyde
Director, Water Division

Enclosures

cc: Bud Bridgwater, IEPA
Bruce Rodely, Marion District Office, IEPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5

IN THE MATTER OF: [redacted] Site [redacted] Greenville, Illinois 62246	)	**ORDER FOR COMPLIANCE AND REQUEST FOR INFORMATION UNDER SECTIONS 308 AND 309 OF THE CLEAN WATER ACT**
RESPONDENT: [redacted]	)	**DOCKET NO. V-W-13-AO-24**

The U.S. Environmental Protection Agency ("EPA") issues this Order for Compliance and Request for Information ("Order") to Mr. [redacted] ("Respondent") under the authority of Sections 309(a) and 308 of the Clean Water Act ("CWA"), 33 U.S.C. §§ 1319(a), 1318. The Administrator of EPA has delegated the authority to issue such orders to the Regional Administrator of EPA Region 5, who has redelegated this authority to the Director of the Water Division, EPA, Region 5.

I. INTRODUCTION

1) Section 301(a) of the CWA, 33 U.S.C. § 1311(a), prohibits the discharge of pollutants to the waters of the United States except in compliance with, inter alia, a National Pollutant Discharge Elimination System ("NPDES") permit issued pursuant to Section 402 of the CWA, 33 U.S.C. § 1342.

2) EPA has approved the State of Illinois's program to issue NPDES permits under Section 402(b) of the CWA, 33 U.S.C § 1342(b). The Illinois Environmental Protection Agency ("IEPA") is the NPDES permitting authority for the State of Illinois ("State"). EPA retains the authority to enforce the CWA in Illinois.

3) This Order shall be effective until EPA notifies the Respondent, pursuant to Section VIII below, that Respondent has complied with all requirements of this Order.

II. DEFINITIONS

4) All terms used but not otherwise defined in this Order shall have the meaning provided them in the CWA and EPA regulations promulgated under the CWA.

5) "Animal feeding operation" means "a lot or facility where . . . (i) Animals (other than aquatic animals) have been, are, or will be stabled or confined and fed or maintained for a total of 45 days or more in any 12 month period and, (ii) Crops, vegetation, forage growth, or post harvest

residues are not sustained in the normal growing season over any portion of the lot or facility." 40 C.F.R. § 122.23(b)(1).

6) "Concentrated animal feeding operation" or "CAFO" means an "animal feeding operation that is defined as, *inter alia,* a Medium CAFO …." 40 C.F.R. § 122.23(b)(2).

7) "Discharge" or "Discharge of a pollutant" means, among other things, any addition of any pollutant to navigable waters from any point source. Sections 502(12), (16) of the CWA, 33 U.S.C. §§ 1362(12), (16); 40 C.F.R. § 122.2.

8) "Manure" means, among other things, "manure, bedding, compost, and raw materials or other materials commingled with manure or set aside for disposal." 40 C.F.R. § 122.23(b)(5).

9) "Medium CAFO" means an animal feeding operation that stables or confines as many as or more than the numbers of animals specified in any of the following categories: 300 to 999 cattle other than dairy cows or veal calves, 200 to 699 mature dairy cows, 750 to 2,499 swine each weighing 55 pounds or more, 3,000 to 9,999 swine each weighing less than 55 pounds; and either one of the following conditions is met: (A) pollutants are discharged from the Production Area into Waters of the United States through a man-made ditch, flushing system, or other similar man-made device; or (B) pollutants are discharged directly into waters of the United States which originate outside of and pass over, across, or through the Production Area or otherwise come into direct contact with the animals confined in the operation. 40 C.F.R. § 122.23(b)(6).

10) "Navigable waters" means the waters of the United States. Section 502(7) of the CWA, 33 U.S.C. § 1362(7).

11) "Overflow" means the discharge of manure or process wastewater resulting from the filling of wastewater or manure storage structures beyond the point at which no more manure, process wastewater, or storm water can be contained by the structure.

12) "Person" means, among other things, an individual, association, partnership, or corporation. Section 502(5) of the CWA, 33 U.S.C. § 1362(5); 40 C.F.R. § 122.2.

13) "Point source" means, among other things, "any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, …[or] concentrated animal feeding operation … from which pollutants are or may be discharged." Section 502(14) of the CWA, 33 U.S.C. § 1362(14); 40 C.F.R. § 122.2.

14) "Pollutant" means, among other things, solid waste, sewage, garbage, sewage sludge, chemical wastes, biological materials, wrecked or discarded equipment, rock, sand, cellar dirt, and agricultural waste discharged into water. Section 502(6) of the CWA, 33 U.S.C. § 1362(6); 40 C.F.R. § 122.2.

15) "Process wastewater" means water directly or indirectly used in the operation of the animal feeding operation for any or all of the following: spillage or overflow from animal or poultry watering systems; washing, cleaning, or flushing pens, barns, manure pits, or other animal

feeding operation facilities; direct contact swimming, washing, or spray cooling of animals; or dust control. Process wastewater also includes any water which comes into contact with any raw materials, products, or byproducts including manure, litter, feed, milk, eggs or bedding. 40 C.F.R. § 122.23(b)(7).

16) "Production Area" means that part of the Site that includes the animal confinement area, the manure storage area, the raw materials storage area, and the waste containment areas. The animal confinement area includes but is not limited to open lots, housed lots, feedlots, confinement houses, stall barns, free stall barns, milkrooms, milking centers, cow yards, barnyards, medication pens, walkers, animal walkways, and stables. The manure storage area includes but is not limited to lagoons, runoff ponds, storage sheds, stockpiles, under house or pit storages, liquid impoundments, static piles, and composting piles. The raw materials storage area includes but is not limited to feed silos, silage bunkers, and bedding materials. The waste containment area includes but is not limited to settling basins, and areas within berms and diversions which separate uncontaminated storm water. Also included in the definition of production area is any egg washing or egg processing facility, and any area used in the storage, handling, treatment, or disposal of mortalities. 40 C.F.R. § 122.23(b)(8).

17) "Site" shall mean the facility owned by Respondent located at Ex. 6 (Personal Privacy) Ex. 6 (Personal Privacy), which includes the Land Application Area and the Production Area.

18) "Waters of the United States" means, in accordance with 40 C.F.R. § 122.2, among other things:

a) All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce;

b) All interstate waters;

c) All other waters such as intrastate lakes, rivers, [and] streams (including intermittent streams) … the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any such waters:

i) which are or could be used by interstate or foreign travelers for recreational or other purposes;

ii) from which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or

iii) which are or could be used for industrial purposes by industries in interstate commerce;

d) All impoundments of waters otherwise defined as waters of the United States under this definition; and

e) Tributaries of waters identified in paragraphs (a) through (d) of this definition.

III. FINDINGS

19) Respondent is a person.

20) Respondent is the owner of property located at [redacted] Greenville, Illinois ("Site"). Prior to Respondent's ownership, a swine finishing operation was located at the Site.

21) Prior to Respondent's ownership, the Site had been an Animal Feeding Operation because:

a) the Site included lots or facilities where swine had been stabled or confined and fed or maintained for a total of 45 days or more in any 12 month period, within the meaning of 40 C.F.R. § 122.23(b)(1)(i); and

b) crops, vegetation, forage growth, or post harvest residues were not sustained in the normal growing season over any portion of those lots or facilities, within the meaning of 40 C.F.R. § 122.23(b)(1)(ii).

22) The Site had been a Medium CAFO and a CAFO because the Site had stabled or confined as many as or more than 750 to 2,499 swine each weighing 55 pounds or more and it discharged pollutants from the Production Area through man-made channels, ditches, culverts, and similar man-made devices to the Dry Branch, which flows into Governor Bond Lake, which are waters of the United States.

23) On May 9 and 10, 2013, personnel from EPA and IEPA conducted an inspection at the Site ("the Inspection"). A copy of an inspection report ("Inspection Report") generated by EPA as a result of the Inspection is included as Attachment 1 to this Order.

24) By the date of the Inspection, the swine finishing operation was no longer in business.

25) During the Inspection, earthen storage structures from the previous swine finishing operation were present at the Site that had not been cleaned out or properly closed by the date of the Inspection.

26) During the Inspection, EPA and IEPA personnel observed a channel containing liquid manure and process wastewater flowing from a manure holding pond, identified as the "2nd Stage Holding Pond" by the previous swine finishing operation, to the Dry Branch.

27) The Dry Branch is a tributary of Governor Bond Lake. The Dry Branch flows approximately 4 miles from the Site to Governor Bond Lake. The Dry Branch is an intermittent stream from the Site to approximately 1.5 miles downstream from the Site, at which point it becomes a perennial stream. It remains perennial for another 2.5 miles until it meets Governor Bond Lake. Governor Bond Lake is the source of drinking water for the City of Greenville, Illinois, and is used for recreational purposes, including but not limited to boating, water skiing, and fishing.

28) The Dry Branch and Governor Bond Lake are waters of the United States.

29) Manure and process wastewater are pollutants.

30) Samples taken by EPA during the Inspection indicated the presence of Total Phosphorous, Fecal Coliform, Biochemical Oxygen Demand, Total Kjeldahl Nitrogen, Nitrate-Nitrite N, Total Dissolved Solids, Total Suspended Solids, and Ammonia, which are pollutants.

31) The 2nd Stage Holding Pond and the channel from the holding pond to the Dry Branch are point sources.

32) The addition of pollutants to navigable waters from the point sources described above is a discharge of pollutants.

33) As of May 9, 2013, and May 10, 2013, Respondent did not have a NPDES permit for the discharge of pollutants from a point source.

34) The discharge of pollutants from a point source is subject to the NPDES permitting requirements of Section 402 of the CWA, 33 U.S.C. § 1342, and 40 C.F.R. Part 122.

35) By discharging pollutants from a point source without a permit, Respondent violated Section 301(a) of the CWA, 33 U.S.C. § 1311(a).

IV. COMPLIANCE REQUIREMENTS

BASED ON THE FOREGOING FINDINGS and the authority vested in the undersigned Director, Water Division, Region 5, IT IS HEREBY ORDERED:

A. Notification of Intent to Comply

36) Within 10 calendar days of the effective date of this Order, Respondent shall submit a written certification that it intends to comply with this Order.

B. Interim Measures

37) Upon the effective date of this Order, Respondent shall cease all unpermitted discharges from the Site.

38) Within 10 calendar days of the effective date of this Order, Respondent shall implement interim measures ("Interim Measures") to eliminate the following until permanent measures ("Permanent Measures") are installed:

a) overflow from the 1st stage storage structure into the 2nd Stage Holding Pond;

b) discharges from the 2nd Stage Holding Pond into the Dry Branch; and

c) excess levels within all holding ponds by maintaining appropriate freeboard level.

C. Permanent Measures

39) Within 30 days of the effective date of this Order, Respondent shall submit to EPA for approval a plan for Permanent Measures for the land application of process wastewater and manure/sludge from all earthen storage structures on the Site, and proper closure of all earthen storage structures on the Site. Upon EPA's written approval of the plan, Respondent shall implement the Permanent Measures accordingly, and shall complete implementation within 245 days of EPA's written approval.

40) In implementing the Permanent Measures, Respondent shall comply with all federal, State, and local laws, rules, and regulations.

41) In conducting closure of earthen storage structures on the Site, Respondent shall follow the practice standards for Waste Facility Closure (Practice Code 360) set forth in the National Handbook of Conservation Practices prepared by the United States Department of Agriculture, Natural Resources Conservation Service ("NRCS").

42) In land application of process wastewater and manure/sludge from earthen storage structures, all liquid, slurry, sludge, solid waste, and soil removed from the facility shall be managed in accordance with the NRCS Conservation Practice Standards for Nutrient Management (Practice Code 590), and/or the requirements of the Illinois Livestock Management Facilities Act, 510 ILCS 77.

D. Discharge Minimization and Notification

43) This Order does not authorize Respondent to discharge pollutants to waters of the United States at or from the Site, and any such discharges may be subject to enforcement. If, for any reason, Respondent discharges pollutants to waters of the United States, Respondent must visually monitor the discharge, and immediately notify the EPA by contacting Cheryl Burdett by telephone at (312) 886-1463, and by fax at (312) 692-2064. Respondent must also immediately notify the Illinois Emergency Management Agency at (800) 782-7860 or (217) 782-7860. In addition, Respondent must document the following information and submit a written report to the EPA and IEPA within five (5) days of becoming aware of the discharge, including:

a) a description of the cause of the discharge, including an estimate of the discharge volume, an estimate of the flow rate if the discharge is continuing, and any analytical data;

b) a description of the area receiving the release (i.e., field, ditch, stream or other description);

c) the specific location of the discharge;

d) the period of discharge, including exact begin and end dates and times, and if not corrected, the anticipated time the discharge is expected to continue;

e) a description of steps taken or to be taken to respond to, contain and mitigate the discharge;

f) corrective action taken to prevent recurrences of the discharge; and

g) a description of apparent impacts to health or the environment resulting from the release, including, but not limited to, threats to surface water supplies, water supply wells, recreational areas and water quality.

V. SUBMITTALS

44) Any documents or notifications required by this Order to be submitted to EPA shall be submitted by Respondent to the following address:

Director, Water Division
Region 5, EPA
Attn: Cheryl Burdett
Water Enforcement Compliance Assurance Branch (WC-15J)
United States Environmental Protection Agency
77 West Jackson Boulevard
Chicago, Illinois 60604

45) Any documents or notifications required by this Order to be submitted to IEPA shall be submitted by Respondent to the following address:

Illinois Environmental Protection Agency
Attention: Byron Marks
Illinois EPA-DWPC
2309 West Main Street
Marion, Illinois 62959

46) All submittals made pursuant to this Order shall be returned under an authorized signature containing the following certification:

> I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false statements and information, including the possibility of fines and imprisonment for knowing violations.

47) If the signatory finds at any time after submittal of information that any portion of the submittal is

false or incorrect, the signatory shall notify EPA, Region 5 immediately. Knowing submittal of false information to EPA in response to this Order may subject Respondent to criminal prosecution under Section 309(c) of the CWA, 33 U.S.C. § 1319(c), as well as 18 U.S.C. §§ 1001 and 1341.

48) Confidentiality of Submissions

a) Information may not be withheld from the Administrator or his authorized representative because the information is viewed as confidential. However, pursuant to 40 C.F.R. Part 2, Subpart B, Respondent is entitled to assert a claim of business confidentiality regarding any portion of the information submitted in response to this Order, as provided in 40 C.F.R. § 2.302(a)(2). The regulations provide that a person may assert a business confidentiality claim covering part or all of the information furnished to EPA at the time such information is provided to EPA. The manner of asserting such claims is specified in 40 C.F.R. § 2.203(b). EPA is required to consider information processes entitled to protection as trade secrets (33 U.S.C. § 1318(b) and 18 U.S.C. § 1905), except that effluent data (as defined in 40 C.F.R. § 2.302(A)(2)) and information in permit applications may not be considered by EPA as confidential. 40 C.F.R. § 122.7.

b) If Respondent fails to assert a claim of business confidentiality, EPA may make all submitted information available to the public without further notice. Information which is subject to a claim of business confidentiality may be available to the public only to the extent provided in 40 C.F.R. Part 2, Subpart B.

49) EPA may use any information submitted in response to this Order in support of an administrative, civil or criminal action against Respondent.

VI. EFFECTIVE DATE AND OPPORTUNITY TO CONFER

50) Respondent has the opportunity to confer with and submit information to EPA concerning the validity of this Order.

51) Such information may include evidence (*i.e.*, documentation), arguments and comments regarding the legal and factual determinations on which the Order is based, its applicability to Respondent, the appropriateness of its terms or any other relevant and material issue.

52) If Respondent chooses to confer orally with EPA, it shall request a conference within 10 calendar days of the receipt of this Order. To request a conference, contact Cheryl Burdett at (312) 886-1463, or Respondent's attorney may contact Kevin Chow, EPA Region 5, Office of Regional Counsel, at (312) 353-6181.

a. Any conference held pursuant to this Paragraph shall take place within 10 calendar days from the date of the request, unless the time period is extended by agreement of the

parties. Respondent may appear in person, participate by telephone or be represented by an attorney or other representative.

b. Respondent is responsible for reducing all oral information Respondent presents at the conference, including comments and arguments, to writing and submitting that document to EPA within five calendar days following the conference, unless the time period is extended by agreement of the parties.

c. Such a conference is not a formal evidentiary hearing and does not constitute a proceeding to challenge this Order. EPA will not make a formal transcript of the conference.

53) Regardless of whether Respondent requests a conference, Respondent may submit written information to EPA, as provided in Paragraph 51 above, within 10 calendar days of the date of receipt of this Order, unless the time period is extended by agreement of the parties. Respondent shall submit any written information according to the instructions in Section V of this Order.

54) EPA shall deem a failure to either request a conference or submit written information within 10 calendar days of the date of receipt of this Order as a waiver of the opportunity to confer.

55) If Respondent does not request a conference or submit written information pursuant to this Section, this Order shall become final and effective 15 calendar days after receipt of this Order.

56) EPA shall consider all relevant and material written information submitted by Respondent pursuant to this Section and determine that: (1) this Order should become final as originally issued; (2) this Order should be modified; or (3) this Order should be withdrawn.

57) If EPA determines that this Order should become final as originally issued or should be modified, then EPA shall address the material and relevant information submitted by Respondent in a responsiveness summary.

a. All written information submitted by Respondent and EPA's responsiveness summary shall be included in the administrative record supporting this Order.

b. The administrative record shall be available for public review under the Freedom of Information Act.

58) If EPA determines that this Order should become final as originally issued, EPA will notify Respondent of that decision in writing and shall provide Respondent with a copy of the responsiveness summary.

59) If EPA determines that this Order should be modified, EPA will modify the Order and issue a modified order to Respondent and shall provide Respondent with a copy of the responsiveness summary.

60) If EPA determines that this Order should be withdrawn, EPA will provide Respondent with written notice of the withdrawal of this Order.

61) No modification or withdrawal of this Order shall be effective unless and until it is issued in writing by EPA.

62) If EPA determines this Order should become final as originally issued, this Order shall become final and effective seven calendar days after the date of EPA's signature of the written notification to Respondent of that determination.

63) If EPA modifies this Order, the modified order shall become final and effective seven calendar days after the date of EPA's signature of the modified Order.

VII. GENERAL PROVISIONS

64) This Order is not a permit under the CWA, and does not waive or modify Respondent's ongoing obligation and responsibility to ascertain and comply with all applicable federal, State or local laws, regulations, ordinances, permits or licenses.

65) EPA reserves all rights and remedies, legal and equitable, available to address any violation cited in this Order, any other violation of the CWA, and to enforce this Order. Neither issuance of this Order by EPA nor compliance with its terms precludes further enforcement action pursuant to Section 309 of the CWA, 33 U.S.C. § 1319, for the violations cited herein, for any other violations of the CWA committed by Respondent, or to enforce this Order.

66) Respondent may seek federal judicial review of a final Order pursuant to Chapter 7 of the Administrative Procedure Act, 5 U.S.C. §§ 701-706.

67) Administrative, Civil and Criminal Enforcement

The CWA includes provisions for administrative penalties, for civil injunctive relief and penalties, and for criminal sanctions for violations of the CWA. Specifically, EPA may:

a) assess civil administrative penalties under 33 U.S.C. § 1319(g) and 40 C.F.R. Part 19 of $11,000 per day for each violation that occurred after March 15, 2004 through January 12, 2009 and $16,000 per day for each violation that occurred after January 12, 2009. An administrative penalty action may total up to $157,500 for violations that occurred after March 15, 2004 through January 12, 2009, and $177,500 for violations that occurred after January 12, 2009;

b) seek civil injunctive relief and penalties for violations of the CWA under 33 U.S.C. § 1319(b) and 40 C.F.R. Part 19. EPA may seek civil judicial penalties of $32,500 per day for each violation that occurred after March 15, 2004 through January 12, 2009, and may seek civil judicial penalties of $37,500 per day for each violation that occurs after January 12, 2009;

c) seek criminal sanctions, including fines and imprisonment, for negligent or knowing violations of the CWA under 33 U.S.C. § 1319(c).

68) The information required to be submitted pursuant to this Order is not subject to the approval requirements of the Paperwork Reduction Act of 1995, 44 U.S.C. § 3501 *et seq.*

VIII. CERTIFICATION OF COMPLETION

69) Within 30 days after Respondent concludes that it has complied with all requirements of this Order, Respondent shall submit a written certification of completion describing actions taken to comply with all requirements of this Order.

70) After receipt and review of Respondent's certification of completion submitted pursuant to Paragraph 69, EPA shall notify Respondent whether all requirements of this Order have been satisfied.

71) This Order shall be effective until EPA notifies Respondent that Respondent has complied with all requirements of this Order.

IT IS HEREBY ORDERED:

Date: 9/17/13

Tinka G. Hyde
Director, Water Division

CWA RECONNAISSANCE INSPECTION REPORT
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION 5

Purpose:
Compliance Evaluation Reconnaissance Inspection

Facility:
Ex. 6. (Personal Privacy) Site – formerly Seabaugh Pork Farm
FOIA Ex. 6 (Personal Priacy)
Greenville, Illinois 62246
Ex. 6 (Personal Privacy)

NPDES Permit Number:
None

Date of Inspection:
May 9, 2013 and May 10, 2013

EPA Representatives:

Joan Rogers, Environmental Scientist	312-886-2785
Jeremy Deyoe, Environmental Engineer	312-353-8512
Don Schwer, Enforcement Officer	312-353-8752
Ben Atkinson, Agricultural Scientist	312-353-8243

State Representatives:

Bruce Rodely, Agricultural Engineer, IEPA	618-993-7200

Facility Representatives:
None

Report Prepared by:

Joan Rogers, Environmental Scientist	312-886-2785
rogers.joan@epa.gov	

Report Date:
May 28, 2013

Inspector Signature Joan M Rogers

BACKGROUND

The purpose of this inspection is to evaluate and document the freeboard levels in the manure holding ponds at the former [redacted] Pork Farm on May 9, 2013. [redacted] Pork Farm was a medium swine Concentrated Animal Feeding Operation (CAFO) in Bond County, Illinois. It is located adjacent to the intermittent Dry Branch.

On March 16, 2010, EPA inspected the [redacted] Pork Farm owned by [redacted] and documented violations of the Clean Water Act. On September 28, 2010, EPA issued Administrative Order number V-W-10-AO-16 to [redacted]. On June 21st, 2010 [redacted] and turned the facility over to the bank; the operation went up for auction on September 8, 2011. The property, including the swine barns and three manure holding ponds, was purchased by [redacted] has not repopulated the swine operation and intends to tear down all the swine barns. [redacted] was told by EPA on May 2, 2012 via a phone call that since the manure holding ponds had not been properly closed out as per Department of Agriculture procedures, they cannot be allowed to discharge to the Dry Branch.

SITE INSPECTION ON MAY 9, 2013

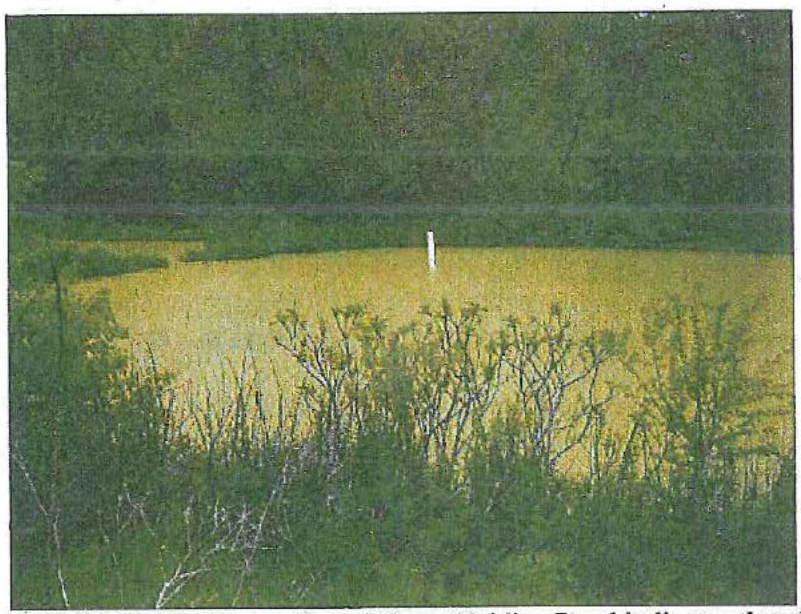
EPA arrived at the site at approximately 4:00 P.M. EPA spoke with the residents of the rental house on the property, presented credentials and explained the purpose of the visit. The residents, future in-laws of the owner [redacted], gave permission for EPA to access the site.

EPA walked along the south edge of the former production area, where Barn #4 formerly stood. [redacted] has torn down this barn and the under-barn pit has been filled. EPA walked to the east side of Barn #3. From here, EPA could observe the 2nd and 3rd Stage Holding Ponds to the east and the 1st Stage Holding Pond to the north. A depth marker was installed in the northeast corner of the 3rd Stage Holding Pond. The depth marker showed that the depth of liquid in the 3rd Stage Holding Pond was at 5 feet.

Looking into Barn #3, EPA noted that the under-barn pit contained liquid, but the pit was not completely full. EPA estimated that there was approximately one foot of freeboard in the pit.

EPA then walked to the north side of Barn #3. North of this barn is the 1st Stage Holding Pond. EPA noted that it was full and discharging liquid from the east side, down the hill to the 2nd Stage Holding Pond. EPA noted that the liquid in the 1st Stage Holding Pond had a purple tint.

IMGP0048: 2nd and 3rd Stage Holding Ponds
Location: Southeast corner of 1st Stage Holding Pond
Facing: Northeast
Date/Time: 05/09/13 4:09 P.M.



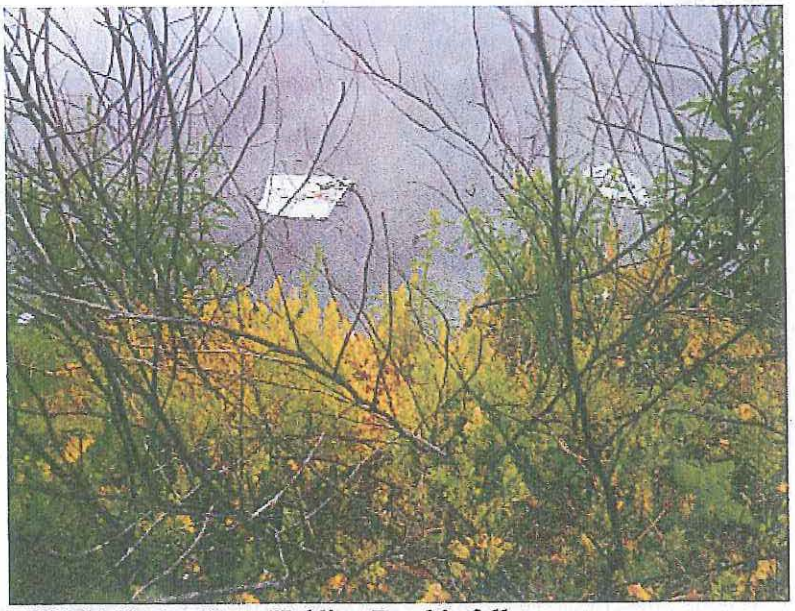
IMGP0049: Staff gauge in 3rd Stage Holding Pond indicates that the water level is 5 feet deep.
Location: Southeast corner of 1st Stage Holding Pond
Facing: Northeast
Date/Time: 05/09/13 4:09 P.M.

IMGP0050: 1st Stage Holding Pond has a purple tint.
Location: Southeast corner of 1st Stage Holding Pond
Facing: Northeast
Date/Time: 05/09/13 4:10 P.M.

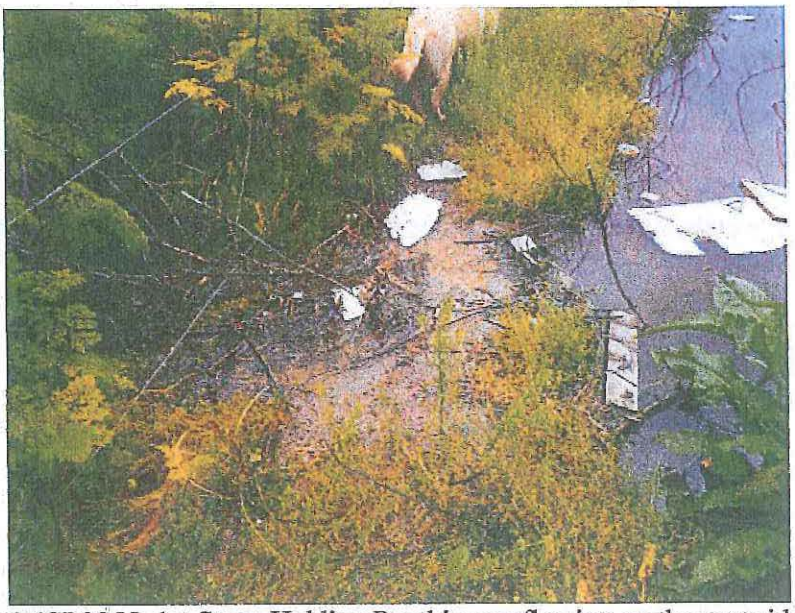
IMGP0051: 1st Stage Holding Pond has a purple tint.
Location: Southeast corner of 1st Stage Holding Pond
Facing: Northwest
Date/Time: 05/09/13 4:10 P.M.

IMGP0052: Debris on ground near north side of Barn #3.
Location: Between 1st Stage Holding Pond and Barn #3
Facing: Down
Date/Time: 05/09/13 4:12 P.M.

IMGP0053: Empty swine barn, formerly Barn #3.
Location: North of Barn #3 and south of 1st Stage Holding Pond
Facing: East
Date/Time: 05/09/13 4:13 P.M.



IMGP0054: 1st Stage Holding Pond is full.
Location: Northwest corner of 1st Stage Holding Pond
Facing:
Date/Time: 05/09/13 4:16 P.M.



IMGP0055: 1st Stage Holding Pond is overflowing on the east side.
Location: East side of 1st Stage Holding Pond
Facing: South and down
Date/Time: 05/09/13 4:18 P.M.

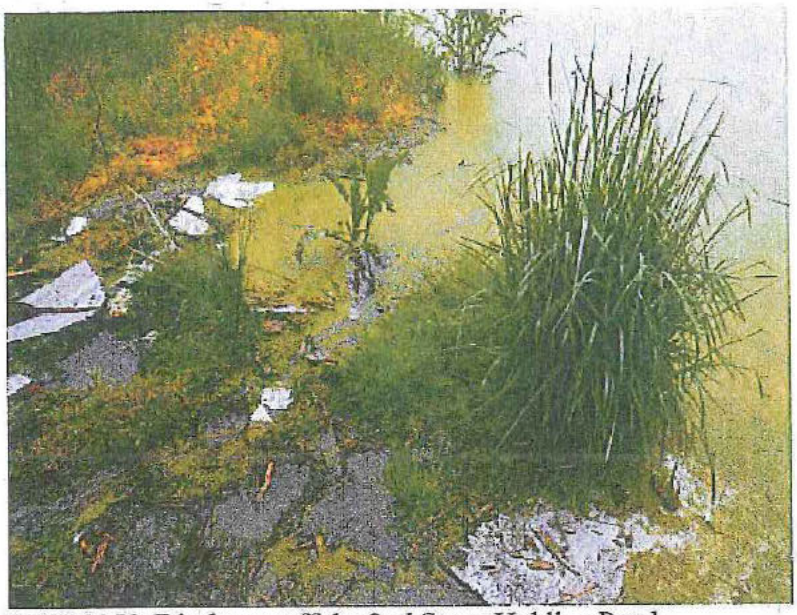
IMGP0056: Flow off the 1st Stage Holding Pond flows down the hillside to the east, to the 2nd Stage Holding Pond.
Location: East side of 1st Stage Holding Pond
Facing: Down
Date/Time: 05/09/13 4:18 P.M.

EPA walked around the north side of the 1st and 2nd Stage Holding Ponds. On the east side of the 2nd Stage Holding Pond, EPA observed a discharge of liquid from the holding pond to Dry Branch. EPA followed the discharge pathway down the berm on the east side all the way to a fence which indicated the property line. The confluence of the discharge pathway and Dry Branch was approximately 20 feet to the east. EPA documented the discharge pathway and the confluence of the discharge pathway with Dry Branch with photographs.

Dry Branch was flooded over its west bank on the day of the inspection. Although the waterway was flooded, EPA noted that there was a definite bed and bank visible, especially on the east side. EPA also noted the presence of undercutting of the east bank, indicating an ordinary high water line. The water appeared to be at the ordinary high water level.

IMGP0057: 2nd Stage Holding Pond is discharging on the east side.
Location: East side of 2nd Stage Holding Pond
Facing: South
Date/Time: 05/09/13 4:21 P.M.

IMGP0058: Discharge off the 2nd Stage Holding Pond.
Location: East side of 2nd Stage Holding Pond
Facing: South
Date/Time: 05/09/13 4:21 P.M.



IMGP0059: Discharge off the 2nd Stage Holding Pond.
Location: East side of 2nd Stage Holding Pond
Facing: South
Date/Time: 05/09/13 4:21 P.M.

IMGP0060: Discharge off the 2nd Stage Holding Pond.
Location: East side of 2nd Stage Holding Pond
Facing: South
Date/Time: 05/09/13 4:21 P.M.

IMGP0061: Discharge off the 2nd Stage Holding Pond down the berm toward Dry Branch.
Location: East side of 2nd Stage Holding Pond
Facing: West and up
Date/Time: 05/09/13 4:22 P.M.

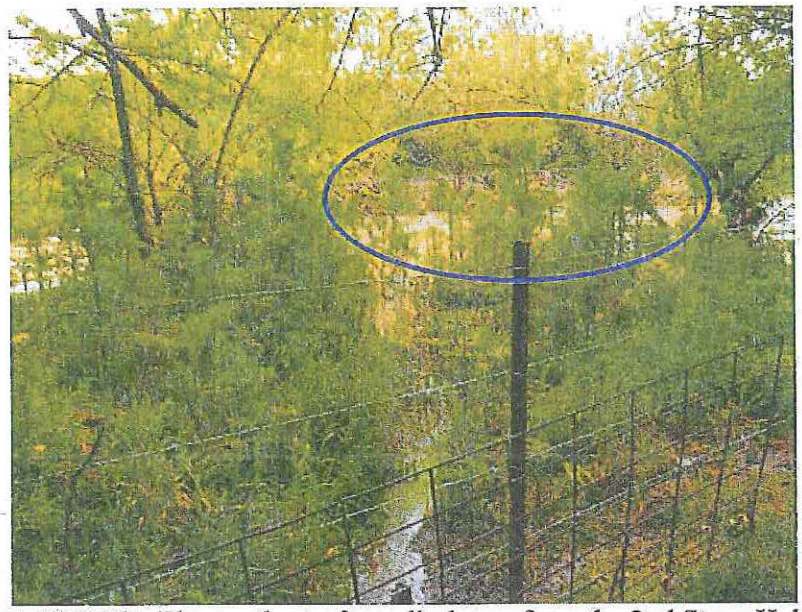
IMGP0062: Flow from 2nd Stage Holding Pond down the berm on the east side.
Location: East side of 2nd Stage Holding Pond
Facing: West and down
Date/Time: 05/09/13 4:22 P.M.

IMGP0063: Flow pathway of discharge from the 2nd Stage Holding Pond to Dry Branch.
Location: East side of 2nd Stage Holding Pond
Facing: Southeast
Date/Time: 05/09/13 4:22 P.M.

IMGP0064: Flow pathway of discharge from the 2nd Stage Holding Pond to Dry Branch. Dry Branch is in the background.
Location: East side of 2nd Stage Holding Pond
Facing: East
Date/Time: 05/09/13 4:23 P.M.

IMGP0065: Flow pathway of discharge from the 2nd Stage Holding Pond to Dry Branch. Note the foam along the pathway.
Location: East side of 2nd Stage Holding Pond
Facing: East and down
Date/Time: 05/09/13 4:23 P.M.

IMGP0066: Flow pathway from discharge from the 2nd Stage Holding Pond crosses under the fence and flows into Dry Branch.
Location: East of 2nd Stage Holding Pond
Facing: Southeast
Date/Time: 05/09/13 4:23 P.M.



IMGP0067: Flow pathway from discharge from the 2nd Stage Holding Pond crosses under the fence and flows into Dry Branch. Bed and bank on the east side of Dry Branch are visible and indicated by a blue circle.
Location: East of 2nd Stage Holding Pond
Facing: East
Date/Time: 05/09/13 4:23 P.M.

IMGP0068: Confluence of discharge pathway with Dry Branch.
Location: East of 2nd Stage Holding Pond
Facing: East
Date/Time: 05/09/13 4:23 P.M.

IMGP0069: Dry Branch was flowing on the day of the inspection. Undercutting features on the east bank appear to show the level of the ordinary high water. Undercutting features are identified with blue circles.
Location: East of 2nd Stage Holding Pond
Facing: Northeast
Date/Time: 05/09/13 4:23 P.M.

IMGP0070: Dry Branch was flowing on the day of the inspection.
Location: East of 2nd Stage Holding Pond
Facing: Southeast
Date/Time: 05/09/13 4:23 P.M.

IMGP0071: Grumpy and Angel by the discharge pathway from the 2nd Stage Holding Pond.
Location: East of 2nd Stage Holding Pond
Facing: West
Date/Time: 05/09/13 4:23 P.M.

EPA continued south along the east side of the 2nd and 3rd Stage Holding Ponds and then west along the south side of the 3rd Stage Holding Pond. The 3rd Stage Holding Pond was not discharging on the day of the inspection.

EPA exited the site at approximately 4:45 P.M.

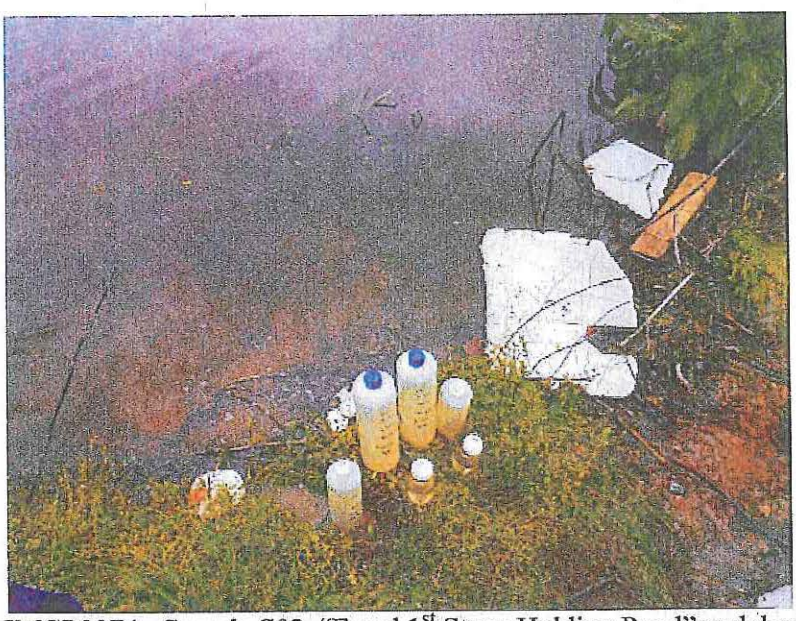
SITE INSPECTION AND SAMPLING ON MAY 10, 2013

EPA inspectors Joan Rogers and Don Schwer and IEPA inspector Bruce Rodely arrived at the facility at approximately 11:00 A.M. to collect samples from the discharge from the holding ponds. EPA and IEPA spoke by phone to Ex. 6. (Personal Privacy) inform him of the intent to collect samples. Mr. Rodely described to Ex. 6. (Personal Privacy) he Department of Agriculture's procedures to close out manure holding ponds.

EPA created a field blank, S01 "Blank" at 11:06 A.M., and then proceeded to the east side of the 1st Stage Holding Pond. EPA took sample S02 "E. end 1st Stage Holding Pond" at 11:35 A.M. and duplicate sample S03 "E. end 1st Stage Holding Pond" at 11:39 A.M. from the discharge from the 1st Stage Holding Pond that flowed to the 2nd Stage Holding Pond. The sample liquid was relatively clear with a brown tint and no odor.

IMGP0072: Sample S02, "E. end 1st Stage Holding Pond" and duplicate sample S03 "E. end 1st Stage Holding Pond" were taken from the overflow of the 1st Stage Holding Pond down the berm on the east side to the 2nd Stage Holding Pond. Sample liquid was relatively clear with a brown tint. There was no smell associated with the samples.
Location: East side of 1st Stage Holding Pond
Facing: Down
Date/Time: 05/10/13 11:42 A.M.

IMGP0073: Sample S02, "E. end 1st Stage Holding Pond" and duplicate sample S03 "E. end 1st Stage Holding Pond" were taken from the overflow of the 1st Stage Holding Pond down the berm on the east side to the 2nd Stage Holding Pond.
Location: East side of 1st Stage Holding Pond
Facing: Down
Date/Time: 05/10/13 11:42 A.M.



IMGP0074: Sample S02, "E end 1st Stage Holding Pond" and duplicate sample S03 "E. end 1st Stage Holding Pond" were taken from the overflow of the 1st Stage Holding Pond down the berm on the east side to the 2nd Stage Holding Pond.
Location: East side of 1st Stage Holding Pond
Facing: Down
Date/Time: 05/10/13 11:42 A.

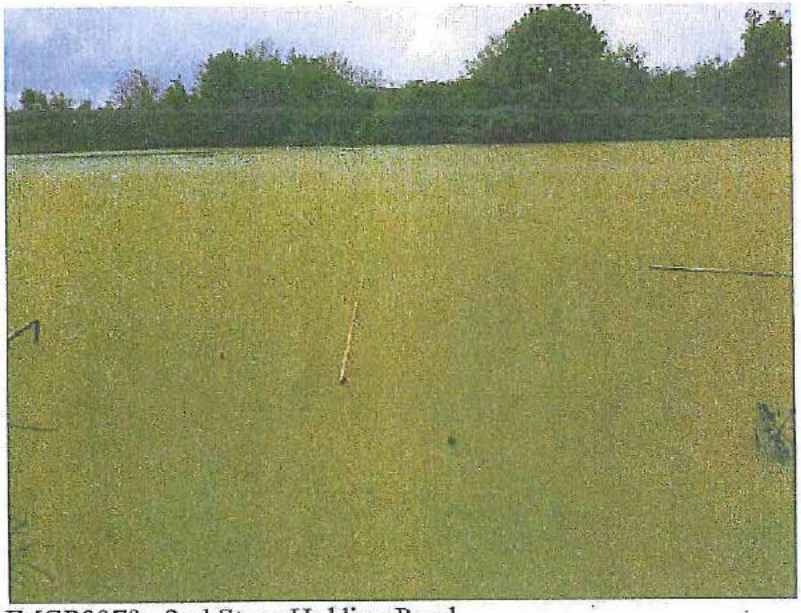
IMGP0075: 1st Stage Holding Pond.
Location: East side of 1st Stage Holding Pond
Facing: West
Date/Time: 05/10/13 11:42 A.M.

EPA took sample S04 "Discharge E. Side 2nd Stage" at 11:47 A.M. from the discharge from the 2nd Stage Holding Pond. The sample liquid was relatively clear with a very light brown color and a light odor.

IMGP0076: Sample S04, "Discharge E. Side 2nd Stage" was taken from the discharge location on the east side of the 2nd Stage Holding Pond.
Location: East side of 2nd Stage Holding Pond
Facing: Down
Date/Time: 05/10/13 11:52 A.M.

IMGP0077: Sample S04, "Discharge E. Side 2nd Stage" was taken from the discharge location on the east side of the 2nd Stage Holding Pond.
Location: East side of 2nd Stage Holding Pond
Facing: Down
Date/Time: 05/10/13 11:52 A.M.

IMGP0078: Sample S04, "Discharge E. Side 2nd Stage" was taken from the discharge location on the east side of the 2nd Stage Holding Pond.
Location: East side of 2nd Stage Holding Pond
Facing: Down
Date/Time: 05/10/13 11:52 A.M.



IMGP0079: 2nd Stage Holding Pond.
Location: East side of 2nd Stage Holding Pond at the discharge location.
Facing: Southwest
Date/Time: 05/10/13 11:52 A.M.

EPA preserved the samples and then exited the site at approximately 12:00 P.M. The fecal coliform, Biochemical Oxygen Demand, Total Dissolved Solids and Total Suspended Solids samples were placed in a cooler with ice and driven to Teklab, Inc. in Collinsville, Illinois. They were hand delivered at 1:43 P.M. The Total Kjeldahl Nitrogen (TKN), Total Phosphorus, Ammonia Nitrogen, and Nitrate-Nitrite (N-N) samples were kept on ice and hand delivered to the EPA Region 5 Chicago Regional Laboratory on May 14, 2013 at 1:25 P.M.

SAMPLING RESULTS									
Sample ID	**Sample Description (all liquid samples)**	**Biochemical Oxygen Demand (mg/L)**	**Total Kjeldahl Nitrogen (mg/L)**	**Nitrate-Nitrite N (mg/L)**	**Total Dissolved Solids (mg/L)**	**Total Suspended Solids (mg/L)**	**Ammonia as N (mg/L)**	**Total Phosphorus (mg/L)**	**Fecal Coliform (CFU/100ml)**
	Typical limits				*1000*		*15*	*0.05*	*200**
S01	**Blank**	**<5**	**U**	**U**	**12**	**<6**	**U**	**U**	**NA**
S02	**E. end 1st Stage Holding Pond**	**20**	**11.9**	**0.31**	**696**	**90**	**2.89**	**76.5**	**520**
S03	**E. end 1st Stage Holding Pond**	**<5**	**10.9**	**0.29**	**772**	**42**	**2.96**	**60.1**	**420**
S04	**Discharge E. side 2nd Stage**	**7**	**8.87**	**0.20**	**646**	**13**	**2.19**	**32.3**	**800**

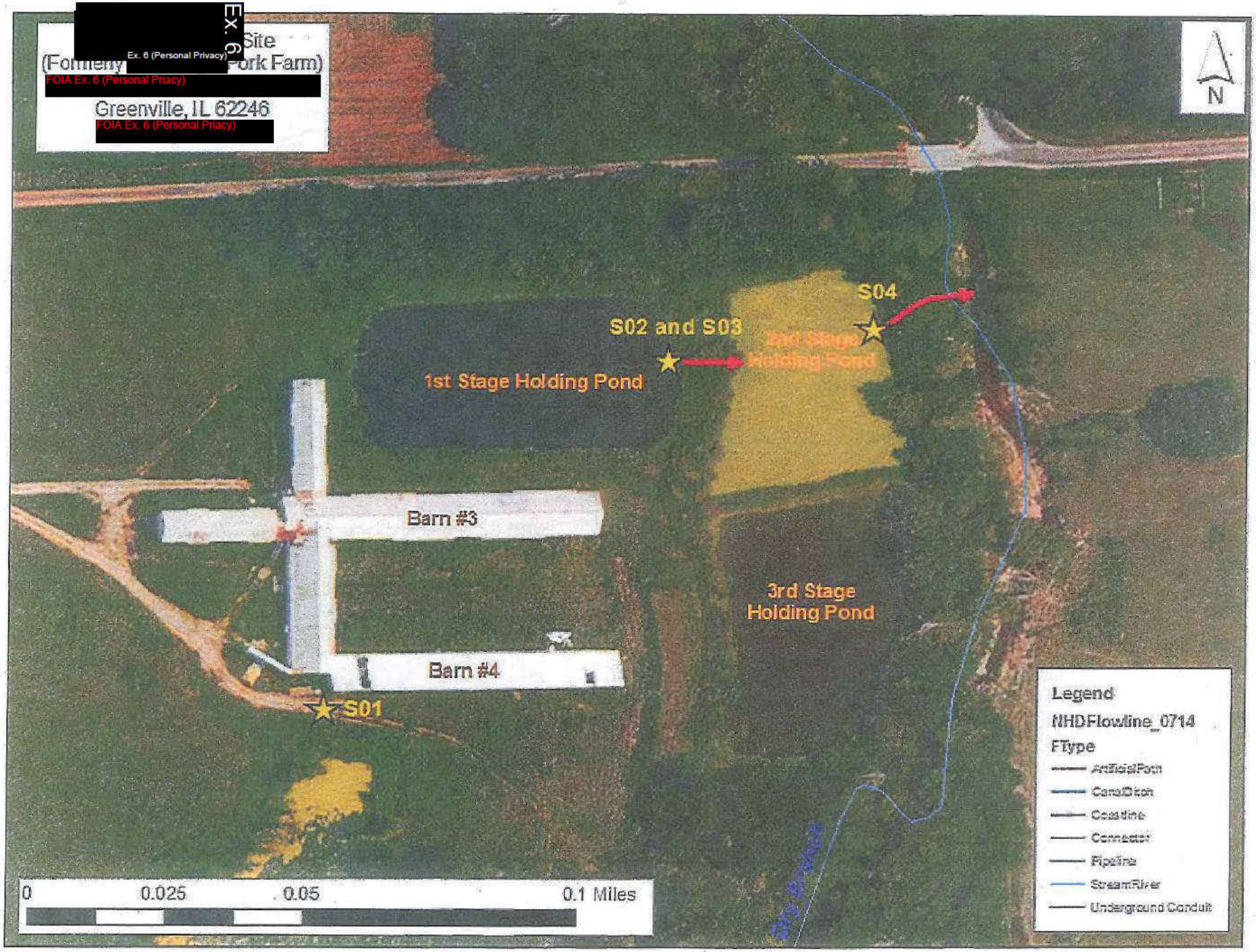
U = Not Detected

The typical limits are for general use waters and this data comes from the Illinois Water Quality Standards (IEPA 2004) unless otherwise noted. There are no Water Quality Standards for Biochemical Oxygen Demand, Total Kjeldahl Nitrogen, Nitrate-Nitrite, and Total Suspended Solids, but some limits are provided and are meant to be a benchmark for comparison only.

*Although there are no effluent limits for CAFOs, from May to October, the limit in Illinois for Fecal Coliform in a stream for general use is 200 count/100ml.

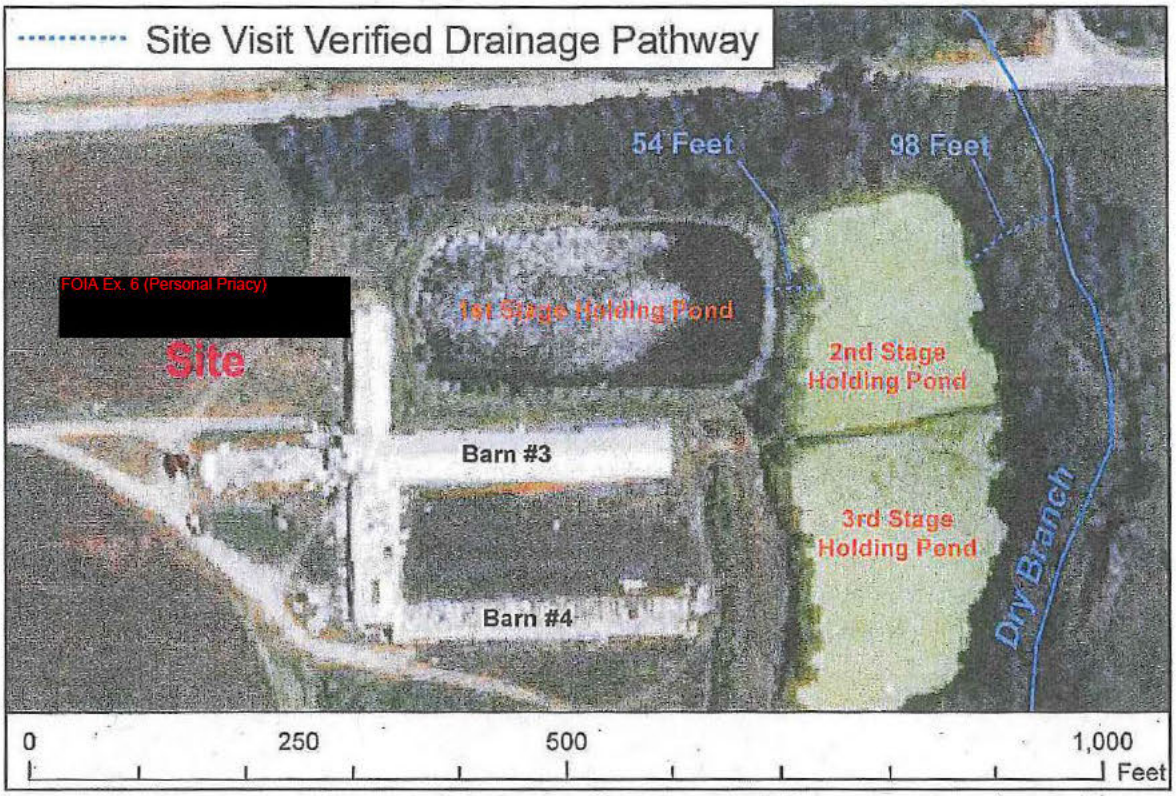
- The Fecal Coliform, Biochemical Oxygen Demand, Total Dissolved Solids and Total Suspended Solids samples were placed in a cooler with ice and driven to Teklab, Inc. and analyzed by Teklab, 5445 Horseshoe Lake Road, Collinsville, Illinois 62234.

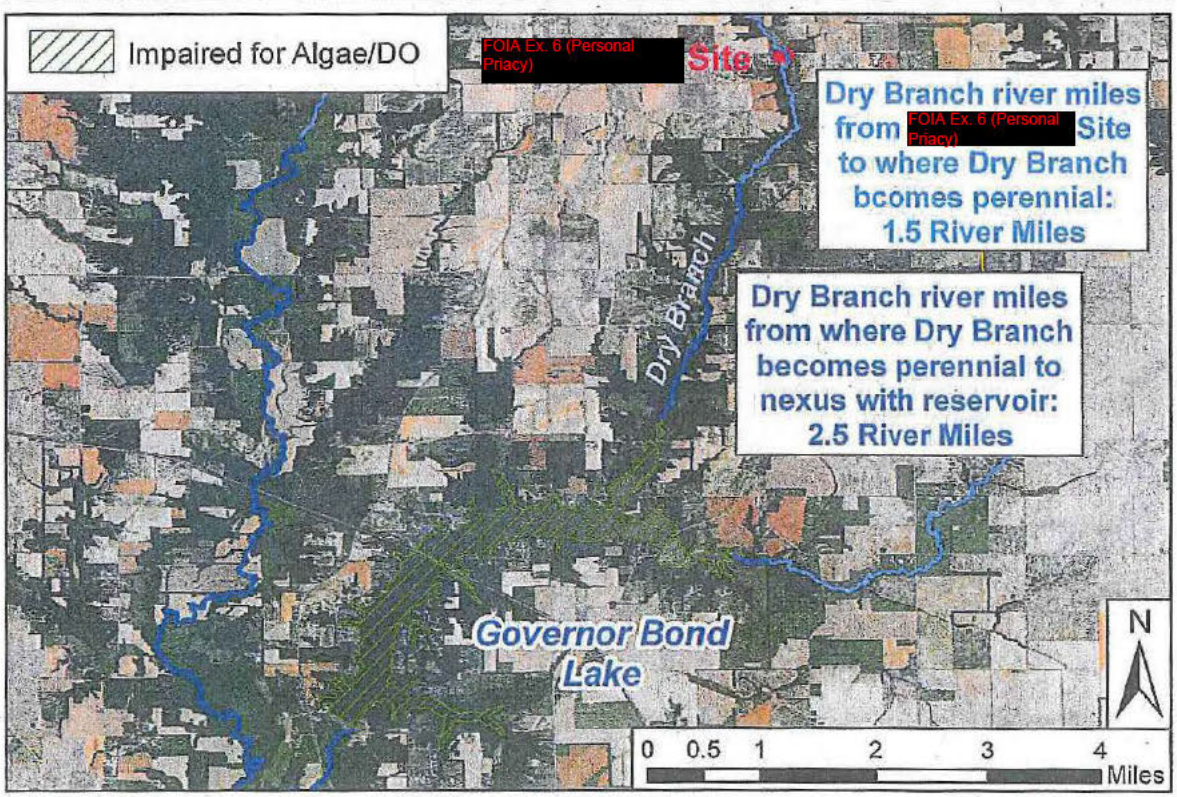
- Ammonia Nitrogen, Total Phosphorus, Nitrate-Nitrite, and Total Kjeldahl Nitrogen (TKN) were analyzed by the Region 5 Chicago Regional Laboratory.

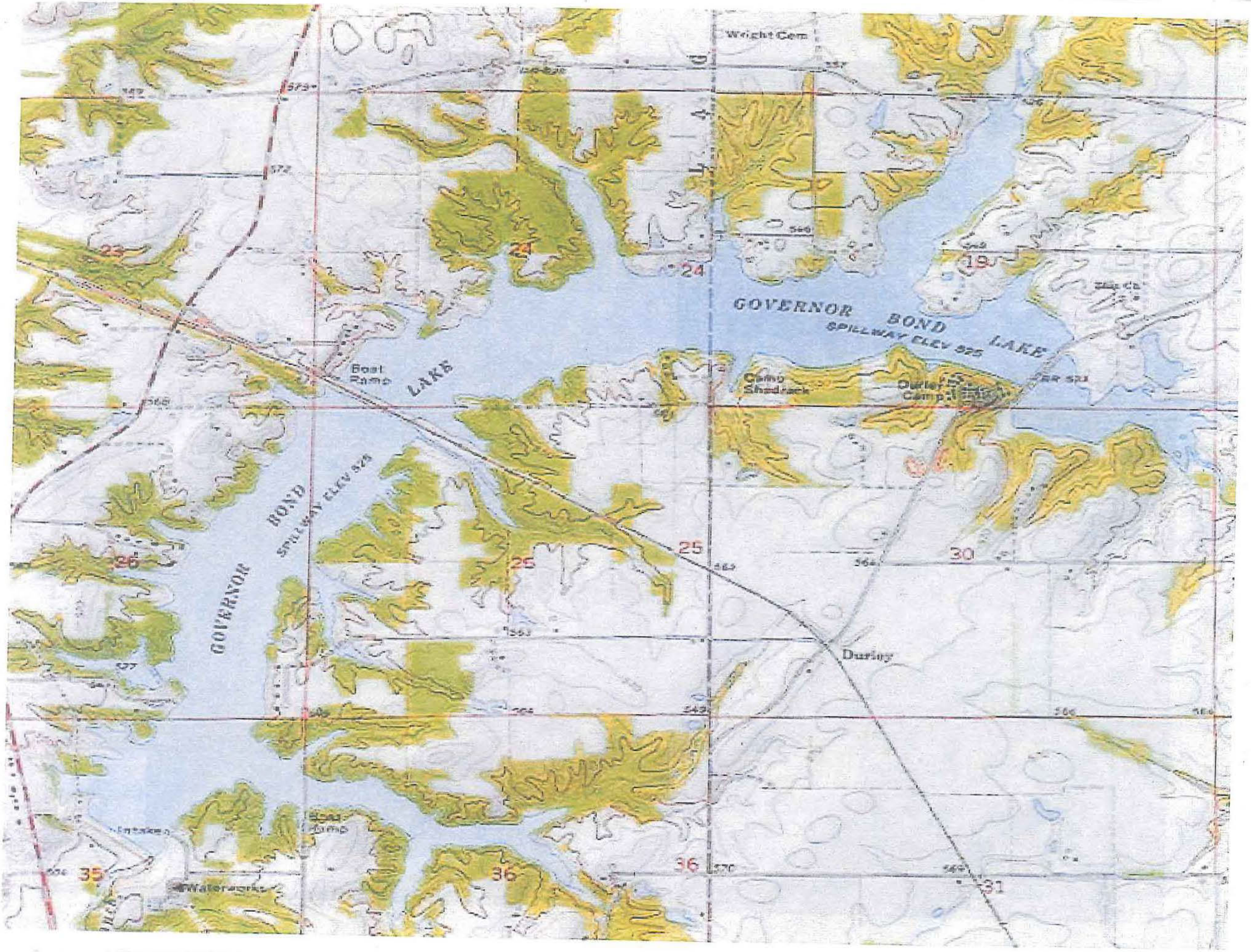

Ex. 6 (Personal Privacy)
Site
(Formerly Fork Farm)
FOIA Ex. 6 (Personal Privacy)
Greenville, IL 62246
FOIA Ex. 6 (Personal Privacy)
N
S04
S02 and S03
2nd Stage Holding Pond
1st Stage Holding Pond
Barn #3
3rd Stage Holding Pond
Barn #4
S01
Legend
NHDFlowline_0714
FType
ArtificialPath
CanalDitch
Coastline
Connector
Pipeline
StreamRiver
Underground Conduit
0
0.025
0.05
0.1 Miles

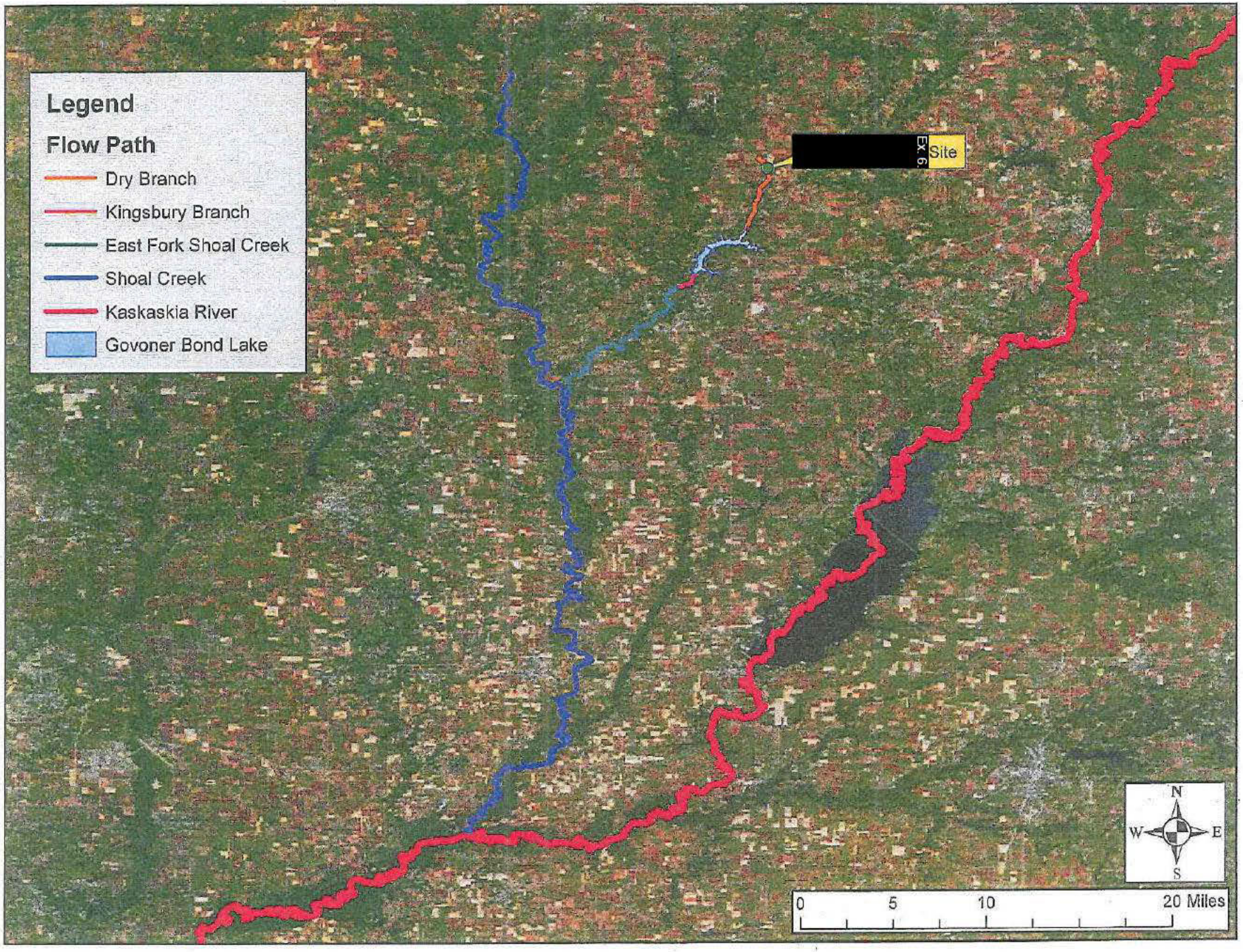
[redacted] Site
Greenville, Illinois

USGS Stream Type
Perennial
Intermittent






Wright Cem
GOVERNOR BOND LAKE
SPILLWAY ELEV 525
Boat Ramp
LAKE
Camp Shadrack
GOVERNOR BOND
SPILLWAY ELEV 525
Durley
Intake
Boat Ramp
Waterworks
23
24
24
19
25
25
30
35
36
36
31


Legend
Flow Path
Dry Branch
Kingsbury Branch
East Fork Shoal Creek
Shoal Creek
Kaskaskia River
Govoner Bond Lake
Ex 6
Site
N
W
E
S
0
5
10
20 Miles

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5 CHICAGO REGIONAL LABORATORY
536 SOUTH CLARK STREET
CHICAGO, ILLINOIS 60605

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2280 Testing

Date: 6/5/2013

Subject: Review of Region 5 Data for [redacted]

From: Nidia Fuentes, Analyst
Region 5 Chicago Regional Laboratory

To: Water Division, US EPA Region 5
77 West Jackson Boulevard
Chicago, IL 60604

The data being transmitted under this cover memo successfully passed CRL's internal data review procedures as documented in our current Quality Management Plan (QMP) and appropriate Standard Operating Procedures (SOPs). Please be aware that CRL does not perform data validation which is based on your data quality objectives. This function must be performed independently of the laboratory generating the data.

Results in this report represent only the samples analyzed.

Please have the U.S. EPA Project Manager/Officer call the CRL Sample Coordinator at (312) 353-0375 for any comments or questions.

Attached are Results for: [redacted]

_____ / / _____
Data Management Coordinator and Date Received

Date Transmitted: ____/____/____

Analyses included in this report:

TKN DA Total Phosphorus DA

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU ACCREDITED ISO/IEC 17025 Certificate # L2280.Testing

Water Division, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: [redacted] FOIA Ex. 6 Personal Project Number: 2013JR05 Project Manager: Joan Rogers	Reported: Jun-05-13 10:03

ANALYSIS CASE NARRATIVE

312-353-9079

General Information

Total of four samples to be analyzed for Total Phosphorus (TP) were received at the Chicago Regional Laboratory on May 14, 2013. Holding time was met.

Sample Analysis and Results

The samples for TP were digested and analyzed using CRL SOP AIG034A, Revision # 3.7, (EPA method 365.4.)

Quality Control

All quality control audits were within the CRL's limits, with the exception of sample matrix spike.

Sample 1305005-02 (S02) matrix spike percent recovery was negative, due to spike been diluted out. No flagged will be apply.

ANALYSIS CASE NARRATIVE

312-353-9079

General Information

A total of four water samples to be analyzed for Total Kjeldahl Nitrogen (TKN) were received at the Chicago Regional Laboratory on May 14, 2013. All holding times were met.

Sample Analysis and Results

The water samples were digested and analyzed using AIG035A, revision 3.0 (EPA method 351.2).

Nidia Fuentes, Analyst

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2233 Testing

Water Division, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: [redacted] FOIA Ex. 6 (Personal Project Number: 2013JR05 Project Manager: Joan Rogers	Reported: Jun-05-13 10:03

Quality Control

All quality control audits were within the CRL limits.

Nidia Fuentes, Analyst

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU ACCREDITED ISO/IEC 17025 Certificate # 2220.01 Testing

Water Division, US EPA Region 5	Project: [redacted] OIA Ex. 6 Personal	
77 West Jackson Boulevard	Project Number: 2013JR05	Reported:
Chicago IL, 60604	Project Manager: Joan Rogers	Jun-05-13 10:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S01	1305005-01	Water	May-10-13 11:06	May-14-13 13:25
S02	1305005-02	Water	May-10-13 11:35	May-14-13 13:25
S03	1305005-03	Water	May-10-13 11:39	May-14-13 13:25
S04	1305005-04	Water	May-10-13 11:47	May-14-13 13:25

Nidia Fuentes, Analyst

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2220 Testing

Water Division, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: [redacted] OIA Ex. 6 Personal Project Number: 2013JR05 Project Manager: Joan Rogers	Reported: Jun-05-13 10:03

Phosphorus, Colorimetric, EPA 365.4 (modified)
US EPA Region 5 Chicago Regional Laboratory

S01 (1305005-01) Water Sampled: May-10-13 11:06 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	U		0.06	0.15	mg/L	1	B305081	May-28-13	May-29-13

S02 (1305005-02) Water Sampled: May-10-13 11:35 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	76.5		12.0	30.0	mg/L	200	B305081	May-28-13	May-29-13

S03 (1305005-03) Water Sampled: May-10-13 11:39 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	60.1		12.0	30.0	mg/L	200	B305081	May-28-13	May-29-13

S04 (1305005-04) Water Sampled: May-10-13 11:47 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	32.3		2.40	6.00	mg/L	40	B305081	May-28-13	May-29-13

Nidia Fuentes, Analyst

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU ACCREDITED ISO/IEC 17025 Certificate # 2280 Testing

Water Division, US EPA Region 5	Project: [redacted]	
77 West Jackson Boulevard	Project Number: 2013JR05	Reported:
Chicago IL, 60604	Project Manager: Joan Rogers	Jun-05-13 10:03

Total Kjeldahl Nitrogen, EPA 351.2 (modified)
US EPA Region 5 Chicago Regional Laboratory

S01 (1305005-01) Water Sampled: May-10-13 11:06 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	U		0.30	0.50	mg/L	1	B305081	May-28-13	May-29-13

S02 (1305005-02) Water Sampled: May-10-13 11:35 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	11.9		0.30	0.50	mg/L	1	B305081	May-28-13	May-29-13

S03 (1305005-03) Water Sampled: May-10-13 11:39 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	10.9		0.30	0.50	mg/L	1	B305081	May-28-13	May-29-13

S04 (1305005-04) Water Sampled: May-10-13 11:47 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	8.87		0.30	0.50	mg/L	1	B305081	May-28-13	May-29-13

Nidia Fuentes, Analyst

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2282 Testing

Water Division, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Ex. 6 (Personal Privac DIA Ex. 6 (Personal Project Number: 2013JR05 Project Manager: Joan Rogers	Reported: Jun-05-13 10:03

Notes and Definitions

U	Not Detected
NR	Not Reported

Nidia Fuentes, Analyst

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			VERSION 6.11.2005
	TKN DA	(Water)	J-Flags used
	TKN DA	(Water)	Result calculations based on MDL
	TKN DA	(Water)	RPD calculations based on %Recovery
	TKN DA	(Water)	Special Units: (mg/L)
	Total Phosphorus DA	(Water)	J-Flags used
	Total Phosphorus DA	(Water)	Result calculations based on MDL
	Total Phosphorus DA	(Water)	RPD calculations based on %Recovery
	Total Phosphorus DA	(Water)	Special Units: (mg/L)
B305081-MS1	Total Phosphorus DA	Total Phosphorus	Exceeds lower control limit
B305081-MS1	Total Phosphorus DA	Total Phosphorus	Spike less than MDL

Sample, Log and Extraction Comments

1305005-01
TKN DA

pH = 1
pH = 1

Total Phosphorus DA

pH = 1
pH = 1

1305005-02
TKN DA

pH = 1
pH = 1

Total Phosphorus DA

pH = 1
pH = 1

1305005-03
TKN DA

pH = 1
pH = 1

Total Phosphorus DA

pH = 1
pH = 1

1305005-04
TKN DA

pH = 1
pH = 1

Total Phosphorus DA

pH = 1
pH = 1

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CHICAGO REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2283 Testing

Date: 6/24/2013

Subject: Review of Region 5 Data for [redacted]

From: Anna Aleszczyk, Chemist
Region 5 Chicago Regional Laboratory

To: Water Division, US EPA Region 5
77 West Jackson Boulevard
Chicago, IL 60604

The data being transmitted under this cover memo successfully passed CRL's internal data review procedures as documented in our current Quality Management Plan (QMP) and appropriate Standard Operating Procedures (SOPs). Please be aware that CRL does not perform data validation which is based on your data quality objectives. This function must be performed independently of the laboratory generating the data.

Results in this report represent only the samples analyzed.

Please have the U.S. EPA Project Manager/Officer call the CRL Sample Coordinator at (312) 353-0375 for any comments or questions.

Attached are Results for: [redacted]

_____ / /

Data Management Coordinator and Date Received

Date Transmitted: ____/____/____

Analyses included in this report:

Ammonia N DA, Distilled Nitrate-Nitrite N DA

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Water Division, US EPA Region 5	Project: [redacted] FOIA Ex. 6 (Personal	
77 West Jackson Boulevard	Project Number: 2013JR05	Reported:
Chicago IL, 60604	Project Manager: Joan Rogers	Jun-24-13 08:23

ANALYSIS CASE NARRATIVE – Distilled Ammonia Nitrogen in Water

Work Order: 1305005
Analyst: Anna Aleszczyk
Phone #: (312) 353-9467

General Information
Four water samples for Ammonia Nitrogen were received on May 14, 2013. All holding times were met.

Sample Analysis and Results
The samples were distilled and analyzed for Ammonia Nitrogen in water on June 5, 2013 using CRL SOP AIG029A, Revision # 2.0 (Reference Method, EPA 350.1). The samples were stored in the refrigerator at all times, except when in use.

Quality Control
All quality control audits were within CRL limits or did not result in qualification of the data.

ANALYSIS CASE NARRATIVE – Nitrate-Nitrite Nitrogen in Water

Work Order: 1305005
Analyst: Anna Aleszczyk
Phone #: (312) 353-9467

General Information
Four water samples for Nitrate-Nitrite Nitrogen were received on May 14, 2013. All holding times were met.

Sample Analysis and Results
The samples were analyzed for Nitrate-Nitrite Nitrogen in water using CRL SOP AIG031A, Revision #1.0 (Standard Method 4500 – NO3- E). The samples were stored in the refrigerator at all times, except when in use.

Quality Control
All quality control audits were within CRL limits or did not result in qualification of the data.

AA 6-24-13
Anna Aleszczyk, Chemist

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2280 Testing

Water Division, US EPA Region 5	Project: [redacted]	
77 West Jackson Boulevard	Project Number: 2013JR05	Reported:
Chicago IL, 60604	Project Manager: Joan Rogers	Jun-24-13 08:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S01	1305005-01	Water	May-10-13 11:06	May-14-13 13:25
S02	1305005-02	Water	May-10-13 11:35	May-14-13 13:25
S03	1305005-03	Water	May-10-13 11:39	May-14-13 13:25
S04	1305005-04	Water	May-10-13 11:47	May-14-13 13:25

AA 6-24-13

Anna Aleszczyk, Chemist

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU ACCREDITED ISO/IEC 17025
Certificate # L2220 Testing

Water Division, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: [redacted] Project Number: 2013JR05 Project Manager: Joan Rogers	Reported: Jun-24-13 08:23

Ammonia Nitrogen, Colorimetric, EPA 350.1 (modified)

US EPA Region 5 Chicago Regional Laboratory

S01 (1305005-01) Water Sampled: May-10-13 11:06 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Ammonia as N	U		0.03	0.10	mg/L	1	B306032	Jun-05-13	Jun-05-13

S02 (1305005-02) Water Sampled: May-10-13 11:35 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Ammonia as N	2.89		0.03	0.10	mg/L	1	B306032	Jun-05-13	Jun-05-13

S03 (1305005-03) Water Sampled: May-10-13 11:39 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Ammonia as N	2.96		0.03	0.10	mg/L	1	B306032	Jun-05-13	Jun-05-13

S04 (1305005-04) Water Sampled: May-10-13 11:47 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Ammonia as N	2.19		0.03	0.10	mg/L	1	B306032	Jun-05-13	Jun-05-13

AA 6-24-13

Anna Aleszczyk, Chemist

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU ACCREDITED ISO/IEC 17025 Certificate # L2260 Testing

Water Division, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: [redacted] FOIA Ex. 6 (Personal) Project Number: 2013JR05 Project Manager: Joan Rogers	Reported: Jun-24-13 08:23

Nitrate - Nitrite Nitrogen, SM 4500E (modified)
US EPA Region 5 Chicago Regional Laboratory

S01 (1305005-01) Water Sampled: May-10-13 11:05 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Nitrate-Nitrite N	U	U	0.07	0.25	mg/L	1	B306037	Jun-06-13	Jun-06-13

S02 (1305005-02) Water Sampled: May-10-13 11:35 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Nitrate-Nitrite N	0.31		0.07	0.25	mg/L	1	B306037	Jun-06-13	Jun-06-13

S03 (1305005-03) Water Sampled: May-10-13 11:39 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Nitrate-Nitrite N	0.29		0.07	0.25	mg/L	1	B306037	Jun-06-13	Jun-06-13

S04 (1305005-04) Water Sampled: May-10-13 11:47 Received: May-14-13 13:25

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Nitrate-Nitrite N	0.20	J	0.07	0.25	mg/L	1	B306037	Jun-06-13	Jun-06-13

AA 6-24-13
Anna Aleszczyk, Chemist

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Water Division, US EPA Region 5	Project: [redacted]	
77 West Jackson Boulevard	Project Number: 2013JR05	Reported:
Chicago IL, 60604	Project Manager: Joan Rogers	Jun-24-13 08:23

Notes and Definitions

J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Not Detected
NR	Not Reported

AA 6-24-13

Anna Aleszczyk, Chemist

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			VERSION 6.11:2009
	Ammonia N DA, Distilled	(Water)	J-Flags used
	Ammonia N DA, Distilled	(Water)	Result calculations based on MDL
	Ammonia N DA, Distilled	(Water)	Special Units: (mg/L)
	Nitrate-Nitrite N DA	(Water)	J-Flags used
	Nitrate-Nitrite N DA	(Water)	Result calculations based on MDL
	Nitrate-Nitrite N DA	(Water)	Special Units: (mg/L)
	Nitrate-Nitrite N DA	(Water)	U-Flags used

Sample, Log and Extraction Comments

1305005-01
Ammonia N DA, Distilled
pH = 1
pH = 1
Nitrate-Nitrite N DA
pH = 1
pH = 1
1305005-02
Ammonia N DA, Distilled
pH = 1
pH = 1
Nitrate-Nitrite N DA
pH = 1
pH = 1
1305005-03
Ammonia N DA, Distilled
pH = 1
pH = 1
Nitrate-Nitrite N DA
pH = 1
pH = 1
1305005-04
Ammonia N DA, Distilled
pH = 1
pH = 1
Nitrate-Nitrite N DA
pH = 1
pH = 1

May 16, 2013

Kimberly O'Neill
SAIC
8301 Greensboro Dr.
McClean, VA 22102
TEL: (703) 676-8718
FAX:

NELAP ACCREDITED TNI LABORATORY

RE: Water testing

WorkOrder: 13050614

Dear Kimberly O'Neill:

TEKLAB, INC received 4 samples on 5/10/2013 1:43:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Shelly A Hennessy

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36
SHennessy@teklabinc.com

Client: SAIC

Work Order: 13050614

Client Project: Water testing

Report Date: 16-May-13

This reporting package includes the following:

Client: SAIC

Work Order: 13050614

Client Project: Water testing

Report Date: 16-May-13

Abbr Definition

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.

DNI Did not ignite

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TNTC Too numerous to count (> 200 CFU)

Qualifiers

- Unknown hydrocarbon

B - Analyte detected in associated Method Blank

E - Value above quantitation range

H - Holding times exceeded

J - Analyte detected below quantitation limits

M - Manual Integration used to determine area response

ND - Not Detected at the Reporting Limit

R - RPD outside accepted recovery limits

S - Spike Recovery outside recovery limits

X - Value exceeds Maximum Contaminant Level

Teklab Inc.
Environmental Laboratory

Case Narrative

http://www.teklabinc.com/

Client: SAIC
Client Project: Water testing

Work Order: 13050614
Report Date: 16-May-13

Cooler Receipt Temp: 2.0 °C

Locations and Accreditations

Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	Address	3920 Pintail Dr Springfield, IL 62711-9415	Address	8421 Nieman Road Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2014	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2014	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2013	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2013	Springfield
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2013	Collinsville
Arkansas	ADEQ	88-0966		3/14/2014	Collinsville
Illinois	IDPH	17584		4/30/2013	Collinsville
Kentucky	UST	0073		4/5/2014	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2013	Collinsville

Teklab Inc
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: SAIC
Work Order: 13050614
Client Project: Water testing
Report Date: 16-May-13
Lab ID: 13050614-001
Client Sample ID: S01 Blank
Matrix: AQUEOUS
Collection Date: 05/10/2013 11:06

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2540 C (TOTAL)								
Total Dissolved Solids	NELAP	20	J	12	mg/L	1	05/13/2013 20:40	R177114
STANDARD METHODS 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	05/10/2013 18:31	R177030
STANDARD METHODS 5210 B								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	05/10/2013 19:23	88200

Client: SAIC
Work Order: 13050614
Client Project: Water testing
Report Date: 16-May-13
Lab ID: 13050614-002
Client Sample ID: S02 E. End 1st Stage Lagoon
Matrix: AQUEOUS
Collection Date: 05/10/2013 11:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 18TH ED. 9222 D MEMBRANE FILTER								
Fecal Coliform		10		520	CFU/100ml	10	05/10/2013 15:08	R177047
STANDARD METHODS 2540 C (TOTAL)								
Total Dissolved Solids	NELAP	20		696	mg/L	1	05/13/2013 20:41	R177114
STANDARD METHODS 2540 D								
Total Suspended Solids	NELAP	9		90	mg/L	1.43	05/10/2013 18:40	R177030
STANDARD METHODS 5210 B								
Biochemical Oxygen Demand	NELAP	5		20	mg/L	1	05/10/2013 19:29	68200

Client: SAIC
Work Order: 13050614
Client Project: Water testing
Report Date: 16-May-13
Lab ID: 13050614-003
Client Sample ID: S03 1st Stage Lagoon
Matrix: AQUEOUS
Collection Date: 05/10/2013 11:39

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 18TH ED. 9222 D MEMBRANE FILTER								
Fecal Coliform		10		420	CFU/100ml	10	05/10/2013 15:08	R177047
STANDARD METHODS 2540 C (TOTAL)								
Total Dissolved Solids	NELAP	20		772	mg/L	1	05/13/2013 20:41	R177114
STANDARD METHODS 2540 D								
Total Suspended Solids	NELAP	10		42	mg/L	1.67	05/10/2013 18:40	R177030
STANDARD METHODS 5210 B								
Biochemical Oxygen Demand	NELAP	5		< 5	mg/L	1	05/10/2013 19:31	88200

Client: SAIC
Work Order: 13050614
Client Project: Water testing
Report Date: 16-May-13
Lab ID: 13050614-004
Client Sample ID: S04 Discharge E. Side 2nd Stage
Matrix: AQUEOUS
Collection Date: 05/10/2013 11:47

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 18TH ED. 9222 D MEMBRANE FILTER								
Fecal Coliform		100		800	CFU/100ml	100	05/10/2013 15:08	R177047
STANDARD METHODS 2540 C (TOTAL)								
Total Dissolved Solids	NELAP	20		646	mg/L	1	05/13/2013 20:41	R177114
STANDARD METHODS 2540 D								
Total Suspended Solids	NELAP	6		13	mg/L	1	05/10/2013 18:40	R177030
STANDARD METHODS 5210 B								
Biochemical Oxygen Demand	NELAP	5		7	mg/L	1	05/10/2013 19:34	88200

Client: SAIC
Work Order: 13050614

Client Project: Water testing
Report Date: 16-May-13

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
13050614-001	S01 Blank	Aqueous	1	05/10/2013 11:06
13050614-002	S02 E. End 1st Stage Lagoon	Aqueous	2	05/10/2013 11:35
13050614-003	S03 1st Stage Lagoon	Aqueous	2	05/10/2013 11:39
13050614-004	S04 Discharge E. Side 2nd Stage	Aqueous	2	05/10/2013 11:47

Client: SAIC
Work Order: 13050614

Client Project: Water testing
Report Date: 16-May-13

Sample ID	Client Sample ID / Test Name	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
13050614-001A	S01 Blank	05/10/2013 11:06	05/10/2013 13:43		
	Standard Methods 2540 C (Total)				05/13/2013 20:40
	Standard Methods 2540 D				05/10/2013 18:31
	Standard Methods 5210 B			05/10/2013 18:33	05/10/2013 19:23
13050614-002A	S02 E. End 1st Stage Lagoon	05/10/2013 11:35	05/10/2013 13:43		
	Standard Methods 2540 C (Total)				05/13/2013 20:41
	Standard Methods 2540 D				05/10/2013 18:40
	Standard Methods 5210 B			05/10/2013 18:33	05/10/2013 19:29
13050614-002B	S02 E. End 1st Stage Lagoon	05/10/2013 11:35	05/10/2013 13:43		
	Standard Methods 18th Ed. 9222 D Membrane Filter				05/10/2013 15:08
13050614-003A	S03 1st Stage Lagoon	05/10/2013 11:39	05/10/2013 13:43		
	Standard Methods 2540 C (Total)				05/13/2013 20:41
	Standard Methods 2540 D				05/10/2013 18:40
	Standard Methods 5210 B			05/10/2013 18:33	05/10/2013 19:31
13050614-003B	S03 1st Stage Lagoon	05/10/2013 11:39	05/10/2013 13:43		
	Standard Methods 18th Ed. 9222 D Membrane Filter				05/10/2013 15:08
13050614-004A	S04 Discharge E. Side 2nd Stage	05/10/2013 11:47	05/10/2013 13:43		
	Standard Methods 2540 C (Total)				05/13/2013 20:41
	Standard Methods 2540 D				05/10/2013 18:40
	Standard Methods 5210 B			05/10/2013 18:33	05/10/2013 19:34
13050614-004B	S04 Discharge E. Side 2nd Stage	05/10/2013 11:47	05/10/2013 13:43		
	Standard Methods 18th Ed. 9222 D Membrane Filter				05/10/2013 15:08

Client: SAIC

Work Order: 13050614

Client Project: Water testing

Report Date: 16-May-13

STANDARD METHODS 18TH ED. 9222 D MEMBRANE FILTER

Batch R177047 SampType: MBLK Units CFU/100ml

SampID: MBLK

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fecal Coliform	1		< 1						05/10/2013
Fecal Coliform	1		< 1						05/10/2013

STANDARD METHODS 2540 C (TOTAL)

Batch R177114 SampType: MBLK Units mg/L

SampID: MBLK

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids	20		< 20						05/13/2013
Total Dissolved Solids	20		< 20						05/13/2013
Total Dissolved Solids	20		< 20						05/13/2013
Total Dissolved Solids	20	J	18						05/14/2013

Batch R177114 SampType: LCS Units mg/L

SampID: LCS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids	20		1020	1000	0	101.6	90	110	05/13/2013

Batch R177114 SampType: LCSQC Units mg/L

SampID: LCSQC

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids	20		1030	1000	0	103.2	90	110	05/13/2013
Total Dissolved Solids	20		1020	1000	0	102.0	90	110	05/14/2013
Total Dissolved Solids	20		1040	1000	0	104.0	90	110	05/13/2013

Batch R177114 SampType: MS Units mg/L

SampID: 13050614-001AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids	20		506	500	12.00	98.8	85	115	05/13/2013

Batch R177114 SampType: MSD Units mg/L RPD Limit 15

SampID: 13050614-001AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids	20		498	500	12.00	97.2	506.0	1.59	05/13/2013

STANDARD METHODS 2540 D

Batch R177030 SampType: MBLK Units mg/L

SampID: MBLK

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	6		< 6						05/10/2013

Client: SAIC

Work Order: 13050614

Client Project: Water testing

Report Date: 16-May-13

STANDARD METHODS 2540 D

Batch R177030 SampType: LCS Units mg/L

SampID: LCS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	6		**96**	100	0	96.0	85	115	05/10/2013
Total Suspended Solids	6		**105**	100	0	105.0	85	115	05/10/2013
Total Suspended Solids	6		**86**	100	0	86.0	85	115	05/10/2013
Total Suspended Solids	6		**101**	100	0	101.0	85	115	05/10/2013

Batch R177030 SampType: DUP Units mg/L RPD Limit 15

SampID: 13050614-001A-DUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids	6		< 6				0	0.00	05/10/2013

STANDARD METHODS 5210 B

Batch 88200 SampType: LCS Units mg/L

SampID: LCS-BOD-2-051013

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Biochemical Oxygen Demand	5		**214**	198	0	108.1	84.6	115.4	05/10/2013

Batch 88200 SampType: DUP Units mg/L RPD Limit 40

SampID: 13050614-001ADUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand	5		< 5				0	0.00	05/10/2013

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: SAIC

Work Order: 13050614

Client Project: Water testing

Report Date: 16-May-13

Carrier: Joan Rogers

Received By: EEP

Completed by: Emily Pohlman
On: 10-May-13

Reviewed by: Marvin L. Darling II
On: 10-May-13

Pages to follow: Chain of custody [1] Extra pages included [0]

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	2.0	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice	☐	
Chain of custody present?	Yes ☑	No ☐				
Chain of custody signed when relinquished and received?	Yes ☑	No ☐				
Chain of custody agrees with sample labels?	Yes ☑	No ☐				
Samples in proper container/bottle?	Yes ☑	No ☐				
Sample containers intact?	Yes ☑	No ☐				
Sufficient sample volume for indicated test?	Yes ☑	No ☐				
All samples received within holding time?	Yes ☑	No ☐				
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑			
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐				
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.						
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑			
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑			
Water - pH acceptable upon receipt?	Yes ☐	No ☐	NA ☑			
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑			

Any No responses must be detailed below or on the COC.

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 5
77 West Jackson Boulevard
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.: JR 20 1305
PROJECT NAME: Ex. 6 (Personal Privacy) JIA Ex. [redacted]
Activity Code:

SAMPLERS: (Print Name and Sign) JOAN ROGERS Joan Rogers

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Analyte: BOD	TDS	TSS	Fecal Coliform			TAG NUMBERS
S01	5/10/13	11:06		X	Blank	1	X	X	X				130506614-001
S02		11:35			E. end 1st Stage Lagoon	1				X			-002
S02		11:35			E. end 1st Stage Lagoon	1	X	X	X				↓
S03		11:39			1st Stage Lagoon	1				X			-003
S03		11:39			1st Stage Lagoon	1	X	X	X				↓
S04		11:47			Discharge E. Side 2nd Stage	1				X			-004
S04	↓	11:47			Discharge E. Side 2nd Stage	1	X	X	X				↓

Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Joan Rogers	5/10/13 1343	[signature]
Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) / Date / Time

Ship To: 2.0°C, ice

ATTN:

Airbill Number

Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipment; Pink - Coordinator Field Files; Yellow - Laboratory File

Printed on Recycled Paper/Printed with Soy-Based Ink

$ 50159